

ILLEGIB

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IB - 360/63
10 December 1963
Copy 1 of 8

MEMORANDUM FOR: Chief, Resources Division, ORR

ATTENTION : [REDACTED] 25X1A

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS

FROM : Chief, CIA/PID (NPIC)

SUBJECT : Alloy Steel Facilities at Pao-tou and Fu-la-erh-chi, China

REFERENCES : (1) ORR Requirement No. C-RR3-80,742
(2) CIA/PID Project No. C 1548-63

1. This memorandum is in response to the referenced which asks for annotated enlargements and photo analysis of suspected alloy steel facilities at Pao-tou and Fu-la-erh-chi.

2. Reference should be made to pages 14 and 15 of Photographic Interpretation Report, Industrial Complex, Pao-tou, China (NPIC/R-1405/63) which describes this heavy fabrication plant which possibly is the Ping-li-she-cheng Armament Plant.

25X1D

From the analysis of photography from [REDACTED] one of the buildings at this plant was identified as a probable erection shop. A gap in the photo coverage did not allow a complete analysis of the associated facilities. [REDACTED] provided complete coverage of the plant (See enclosure CIA/PID/IB-P-799/63). Analysis of this coverage revealed an associated gas plant and a far better view of the building and the three large evenly spaced stacks adjacent to the building. This building is now identified as a probable open hearth furnace building which would be capable of producing steel or special alloy steel which would be needed in armaments.

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3. Steel Plant and Probable Arsenal. This plant is located immediately southwest of the city along the Nan Cheang (Nonni River) at 47 11N-123 38E (see CIA/PID/IB-P-800/63). [REDACTED] indicates that construction of a large arsenal, complete with steel producing facilities was begun in 1953.

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SUBJECT: Alloy Steel Facilities at Pao-tou and Fu-la-erh-chi, China

major buildings at this plant. The large "L" shaped building consists of furnace or foundry section (item 1a) and a casting section and/or heavy machine shop (item 1b). Special alloy steel could also possibly be produced and cast here. The large multisectional building (item 40) houses reheat furnaces, rolling equipment, forges and heavy machine shop and assembly section. The other two buildings are machine shops/workshops (item 3 and 38). Other facilities include a foundry (item 25) and associated gas plant, numerous shops, warehouses, open storage of coal and scrap metal and a small rail yard. See the enclosure for detailed analysis. The total roof cover of the seven largest production buildings totals 1,365,425 square feet.

The fence or wall could not be traced the entire distance around the plant due to obliquity and photo quality. The plant has a well developed rail and road system. Electric power and steam are supplied from the adjacent Fu-la-erh-chi Heat and Power Plant, TETS.

From the general appearance of the area, the plant has been completed for a number of years. The buildings have an overall dirty, used look and large quantities of raw material such as coal and scrap metal are stored in the open. Two slag dumps, off the photo, typical of those at iron and steel plants indicates that iron or steel has been produced in this industrial complex. The plant currently is at least in partial operation as one stack of the probable open hearth furnace building is emitting smoke, there are numerous rail cars on plant sidings and vehicles are also present.

The four small blast furnaces, with box-like hot stoves, located nearby are typical of the small furnaces built during the "Great Leap Forward". The great difference in those furnaces is the fact that at least one is

25X1B

No finished products were observed in the open; however, from the identification of the various components it can be inferred that heavy steel products are produced at this plant. This could include cast, rolled or forged steel and special alloy steel goods such as armor plate, gun barrels, tank hulls and heavy machine parts.

4. The photo analyst on this project was [REDACTED], who may be contacted on extension 2547 should you have further questions concerning this

25X1A

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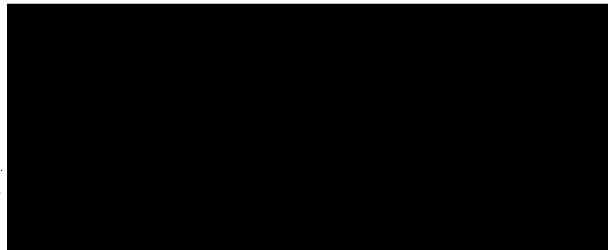
SUBJECT: Alloy Steel Facilities at Pao-tou and Fu-la-erh-chi, China

project. This memorandum and enclosures completes this requirement.

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Enclosures:

2 Annotated Photo Enlargements
(CIA/PID/IB-P-799 and 800/63)



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1903703 : CIA-RDP

GAS PLANT

PROBABLE OPEN HEARTH FURNACE BUILDING

POSSIBLE PING-LI-SHE-CHENG ARMAMENT PLANT
PAO-TOU, CHINA
40° 41'N - 109° 52'E

25X1D

CIA/PID/IB-
P-799/63

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CONTROL PLANT AND PROBABLE AREAL
25X1D

CIA REF ID:
A66666

ITEM	DESCRIPTION	64 FT ROOF COVER MAIN PROD. BLDG.	ITEM	DESCRIPTION	64 FT ROOF COVER MAIN PROD. BLDG.
11	Foundry or Pattern Section	150,000	20	Blower Building	
12	Cutting and or Heavy Machine Shop	100,000	21	Gas Return Section	
13	Crane-served Storage Yard	100,000	22	Blower Building	
14	Machine Shop Workshop	100,000	23	Probable Shop	
15	Warehouse		24	Thaw House	
16	Unidentified Building		25	Scrap Storage	
17	Warehouse		26	Crane-served Storage Yard	
18	Shop		27	Motor Plant	
19	Shop		28	Garage	
20	Shop		29	Shop	
21	Shop		30	Shop	
22	Unidentified Structure		31	Shop	
23	Probable Open Roofs Pattern Bldg.	100,000	32	Machine Shop Workshop	100,000
24	Gas Plant (Return Blower)	100,000	33	Administration Building	
25	Gas Plant (Prob. Blower Bldg.)	100,000	34	Rolling Mill and or Forge	
26	Crane-served Storage Yard		35	and Heavy Machine Shop and Assembly	100,000
27	Water Cooling Towers		36	Unidentified Building	
28	Administration Bldg. and Entrance		37	Coal Storage	
29	Shop		38	Warehouse	
30	Shop		39	Scrap Storage	
31	Shop		40	Three Workshops	
32	Shop		41	Machine Shop Workshop	
33	Shop		42	Machine Shop Workshop	
34	Shop		43	Unidentified Section	
35	Shop		44	Unidentified Section	
36	Shop		45	Unidentified Section	
37	Shop		46	Unidentified Section	
38	Shop		47	Unidentified Section	
39	Shop		48	Unidentified Section	
40	Shop		49	Unidentified Section	
41	Shop		50	Unidentified Section	
42	Shop		51	Unidentified Section	
43	Shop		52	Unidentified Section	
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88	Shop		97	Unidentified Section	
89	Shop		98	Unidentified Section	
90	Shop		99	Unidentified Section	
91	Shop		100	Unidentified Section	



SECRET MAP

SECRET MAP

SECRET MAP

SECRET MAP AND PROBABLE ARSENAL
 25X1D

SECRET MAP

ITEM	IDENTIFICATION	34 FT. POOL COVER MAIN POOL BARGE	ITEM	IDENTIFICATION
1	Primary or Furnace Section	100,000	26	Blower Building
2	Cutting and or Heavy Machine Shop	100,000	27	Gas Return Section
3	Crane-covered Storage Yard	100,000	28	Blower Building
4	Machine Shop/Workshop	100,000	29	Probable Shop
5	Warehouse	100,000	30	Thaw House
6	Unidentified Building	100,000	31	Camp Storage
7	Warehouse	100,000	32	Crane-covered Shop
8	Warehouse	100,000	33	Motor Pool
9	Shop	100,000	34	Shop
10	Shop	100,000	35	Shop
11	Shop	100,000	36	Shop
12	Unidentified Structure	100,000	37	Machine Shop Work
13	Probable Open Mount Furnace Shop	100,000	38	Administration Bldg.
14	Gas Plant (Return Shop)	100,000	39	Rolling Mill and/or
15	Gas Plant (P.A. Blower Shop)	100,000	40	and Heavy Machine
16	Crane-covered Storage Yard	100,000	41	Unidentified Bldg.
17	Water Cooling Tower	100,000	42	Unidentified Bldg.
18	Administration Bldg. Shipping and Entrance	100,000	43	Unidentified Bldg.
19	Shop	100,000	44	Unidentified Bldg.
20	Shop	100,000	45	Unidentified Bldg.
21	Shop	100,000	46	Unidentified Bldg.
22	Shop	100,000	47	Unidentified Bldg.
23	Shop	100,000	48	Unidentified Bldg.
24	Shop	100,000	49	Unidentified Bldg.
25	Shop	100,000	50	Unidentified Bldg.